Symbol	Definition	Units
A	Drainage area	ha, km^2
BDF	Basin development factor	%
C	Runoff coefficient	-
C_f	Frequency factor	-
CN	NRCS-runoff curve number	-
C_t, C_p	Physiographic coefficients	-
d	Time interval	h
DH	Difference in elevation	m
I or i	Rainfall intensity	mm/h
IA	Percentage of impervious area	%
I_a	Initial abstraction from total rainfall	mm
K	Frequency factor for a particular return period and skew	-
L	Lag	h
l	Length of mainstream to furthest divide	m
L_{ca}	Length along main channel to a point opposite the watershed centroid	km
M	Rank of a flood within a long record	-
n	Manning roughness coefficient	-
N	Number of years of flood record	years
P	Accumulated rainfall	mm
Q	Rate of runoff	m^3/s
q	Storm runoff during a time interval	mm
R	Hydraulic radius	m
RC	Regression constant	-
RQ	Equivalent rural peak runoff rate	m^3/s
S or Y	Ground slope	m/m, m/km or %
S	Potential maximum retention storage	mm
NRCS	Natural Resources Conservation Service	-
SL	Main channel slope	m/m
S_L	Standard deviation of the logarithms of the peak annual floods	-
ST	Basin storage factor	%
T_B	Time base of unit hydrograph	h
t_c or T_c	Time of concentration	min or h
T_L	Lag time	h
T_r	Snyder's duration of excess rainfall	h
UQ	Urban peak runoff rate	m^3/s
V	Velocity	m/s
X	Logarithm of the annual peak	–

HYDROLOGIC SYMBOLS AND DEFINITIONS

Figure 29-3A